Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

EMB

"FIRST AND PART BILL"

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 19-02-2022, 26-02-22, 04-03-22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.						
	RCC Drain						
	Nagenahalli Layout						
	Main Rd						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	1.10	1.05	34.65	
	Ch: 30.00m to 60.00m	1	30.00	1.10	1.05	34.65	
	Ch: 60.00m to 90.00m	1	30.00	1.10	1.05	34.65	
	Ch: 90.00m to 105.00m	1	15.00	1.10	1.05	17.33	
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	1.10	1.00	33.00	
	Ch: 30.00m to 60.00m	1	30.00	1.10	1.00	33.00	
	Ch: 60.00m to 90.00m	1	30.00	1.10	1.00	33.00	
	Ch: 90.00m to 120.00m	1	30.00	1.10	1.00	33.00	
	Ch: 120.00m to 125.60m	1	5.60	1.10	1.00	6.16	
	Ch: 125.60m to 129.80m	1	4.20	1.10	1.00	4.62	
	Culvert Gap						
	Ch: 129.80m to 159.80m	1	30.00	1.10	1.00	33.00	
	Ch: 159.80m to 189.80m	1	30.00	1.10	1.00	33.00	
	Ch: 189.80m to 219.80m	1	30.00	1.10	1.00	33.00	
	Ch: 219.80m to 229.90m	1	10.10	1.10	1.00	11.11	
	Main Rd @dead end after 3rd cross						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	1.10	1.00	33.00	
	Ch: 30.00m to 60.00m	1	30.00	1.10	1.00	33.00	
	Ch: 60.00m to 75.70m	1	15.70	1.10	1.00	17.27	
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	1.10	1.00	33.00	
	Ch: 30.00m to 60.00m	1	30.00	1.10	1.00	33.00	
	Ch: 60.00m to 74.90m	1	14.90	1.10	1.00	16.39	
	Kenchenahalli, Synik Vihar Layout						
	9th main from 6th cross						

Contractor

Consultant

Asst. Engineer 04/03/2022

Asst. Exec. Engineer
Yelahanka Sub Division
(BBMP)
Yelahanka, Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Naidu Layout						
	5th main						
	6th main	1	7.80	1.50	1.00	11.70	
	7th main	1	6.30	1.50	1.00	9.45	
	8th main	1	6.20	1.50	1.00	9.30	
	From Opp. End RHS	1	6.80	1.50	1.00	10.20	
	5th Phase	1	7.50	1.60	1.00	12.00	
	5th main LHS						
		1	8.40	1.60	1.00	13.44	
		1	17.30	1.60	1.00	27.68	
		1	5.50	1.50	1.00	8.25	
	Naidu Layout Boyakonda Gangamma Temple Lead off culvert						
		1	10.10	1.50	1.00	15.15	
	Opp. DS Max Streak Appt						
		1	6.80	1.50	1.00	10.20	
					Present Qty	5523.74	Cum

4/03/2022
AE-02

Asst. Executive Engineer
Yelahanka Sub. Division
(66/11 KV, Z6)
Yelahanka, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 23-02-2022, 28-02-2022, 08-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.						
	RCC Drain						
	Nagenahalli Layout						
	Main Rd						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
	Ch: 30.00m to 60.00m	1	30.00	1.10	0.15	4.95	
	Ch: 60.00m to 90.00m	1	30.00	1.10	0.15	4.95	
	Ch: 90.00m to 105.00m	1	15.00	1.10	0.15	2.48	
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
	Ch: 30.00m to 60.00m	1	30.00	1.10	0.15	4.95	
	Ch: 60.00m to 90.00m	1	30.00	1.10	0.15	4.95	
	Ch: 90.00m to 120.00m	1	30.00	1.10	0.15	4.95	
	Ch: 120.00m to 125.60m	1	5.60	1.10	0.15	0.92	
	Ch: 125.60m to 129.80m	1	4.20	1.10	0.15	0.69	
	Culvert Gap						
	Ch: 129.80m to 159.80m	1	30.00	1.10	0.15	4.95	
	Ch: 159.80m to 189.80m	1	30.00	1.10	0.15	4.95	
	Ch: 189.80m to 219.80m	1	30.00	1.10	0.15	4.95	
	Ch: 219.80m to 229.90m	1	10.10	1.10	0.15	1.67	
	Main Rd @dead end after 3rd cross						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
	Ch: 30.00m to 60.00m	1	30.00	1.10	0.15	4.95	
	Ch: 60.00m to 75.70m	1	15.70	1.10	0.15	2.59	
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	1.10	0.15	4.95	
	Ch: 30.00m to 60.00m	1	30.00	1.10	0.15	4.95	
	Ch: 60.00m to 74.90m	1	14.90	1.10	0.15	2.46	

Contractor

Consultant

Asst. Engineer 8/03/2022

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP)
Yelahanka, Bangalore

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch: 202.80m to 226.70m	1	23.90	0.40	0.15	1.43	
	Main Road RHS From dead End						
	Ch: 0.00m to 30.00m	1	30.00	0.35	0.15	1.58	
	Ch: 30.00m to 46.10m	1	16.10	0.30	0.15	0.72	
	House Gap						
	Ch: 46.10m to 76.10m	1	30.00	0.40	0.15	1.80	
	Ch: 76.10m to 106.10m	1	30.00	0.30	0.15	1.35	
	Ch: 106.10m to 136.10m	1	30.00	0.30	0.15	1.35	
	House Gap						
	Ch: 136.10m to 166.10m	1	30.00	0.40	0.15	1.80	
	Ch: 166.10m to 196.10m	1	30.00	0.30	0.15	1.35	
	Ch: 196.10m to 226.10m	1	30.00	0.35	0.15	1.58	
	Ch: 226.10m to 256.10m	1	30.00	0.35	0.15	1.58	
	Ch: 256.10m to 286.10m	1	30.00	0.40	0.15	1.80	
	Ch: 286.10m to 290.80m	1	4.70	0.40	0.15	0.28	
	Deduct For Trees surround						
	Naidu layout						
	Main Road						
	36Nos	-36	0.90	0.65	0.15	-3.16	
	Balaji layout						
	Main Road						
	21Nos	-21	0.80	0.60	0.15	-1.51	
					Present Qty	**938.64**	**Cum**

28/03/2022
AE-02

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Nrk. Zn)
Yelahanka, Bangalore

Contractor

RICON CONSULTING ENGINEERS

Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 24-02-2022, 03-03-2022, 09-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.						
	RCC Drain						
	Nagenahalli Layout						
	Main Rd						
	LHS						
	Total Drain Length=105.00m						
	Main Bar 10mm dia @120mm c/c						
	d=0.61kg/m						
	Distrubution Bar 10mm dia @150mm c/c						
	d=0.61kg/m						
	No of U Bars=875	875	2.10		0.61	1120.88	
	No of distrubution Bars=14	14	105.00		0.61	896.70	
	RHS						
	Total Drain Length=229.90m						
	Main Bar 10mm dia @120mm c/c						
	d=0.61kg/m						
	Distrubution Bar 10mm dia @150mm c/c						
	d=0.61kg/m						
	No of U Bars=1915	1915	2.10		0.61	2453.12	
	No of distrubution Bars=14	14	229.90		0.61	1963.35	
	Main Rd @dead end after 3rd cross						
	LHS						
	Total Drain Length=75.50m						
	Main Bar 10mm dia @120mm c/c						
	d=0.61kg/m						
	Distrubution Bar 10mm dia @150mm c/c						
	d=0.61kg/m						
	No of U Bars=629	629	2.10		0.61	805.75	
	No of distrubution Bars=14	14	75.50		0.61	644.77	
	RHS						
	Total Drain Length=74.90m						

Contractor

Consultant

Asst. Engineer 09/03/2022

Asst. Exec. Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Total Drain Length=185.00m						
	Main Bar 12mm dia @170mm c/c						
	d=0.89kg/m						
	Distrubution Bar 10mm dia @180mm c/c						
	d=0.61kg/m						
	No of U Bars=2176	2176	2.30		0.89	4454.27	
	No of distrubution Bars=26	26	185.00		0.61	2934.10	
						97118.52	
					Present Qty	**97.12**	**Tn**

9/3

9/03/2022
AE-02

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP North Zone)
Yelahanka, Bangalore

Contractor

CON CONSULTING ENGINEERS

Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 08-03-2022, 11-03-2022, 16-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification.						
	RCC Drain Raft						
	Nagenahalli Layout						
	Main Rd						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
	Ch: 30.00m to 60.00m	1	30.00	0.90	0.15	4.05	
	Ch: 60.00m to 90.00m	1	30.00	0.90	0.15	4.05	
	Ch: 90.00m to 105.00m	1	15.00	0.90	0.15	2.03	
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
	Ch: 30.00m to 60.00m	1	30.00	0.90	0.15	4.05	
	Ch: 60.00m to 90.00m	1	30.00	0.90	0.15	4.05	
	Ch: 90.00m to 120.00m	1	30.00	0.90	0.15	4.05	
	Ch: 120.00m to 125.60m	1	5.60	0.90	0.15	0.76	
	Ch: 125.60m to 129.80m	1	4.20	0.90	0.15	0.57	
	Culvert Gap						
	Ch: 129.80m to 159.80m	1	30.00	0.90	0.15	4.05	
	Ch: 159.80m to 189.80m	1	30.00	0.90	0.15	4.05	
	Ch: 189.80m to 219.80m	1	30.00	0.90	0.15	4.05	
	Ch: 219.80m to 229.90m	1	10.10	0.90	0.15	1.36	
	Main Rd @dead end after 3rd cross						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
	Ch: 30.00m to 60.00m	1	30.00	0.90	0.15	4.05	
	Ch: 60.00m to 75.70m	1	15.70	0.90	0.15	2.12	
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90	0.15	4.05	
	Ch: 30.00m to 60.00m	1	30.00	0.90	0.15	4.05	
	Ch: 60.00m to 74.90m	1	14.90	0.90	0.15	2.01	

Contractor

Consultant

Asst. Engineer 18/03/2022

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	8th cross	2	6.70	0.23	0.55	1.70	
	Synik Vihar Layout						
	6th main 6th cross RHS						
		2	6.70	0.23	0.55	1.70	
		2	6.20	0.23	0.55	1.57	
	6th main 5th cross LS						
		2	5.50	0.23	0.55	1.39	
	Naidu Layout						
	5th main	2	7.80	0.23	0.55	1.97	
	6th main	2	6.30	0.23	0.55	1.59	
	7th main	2	6.20	0.23	0.55	1.57	
	8th main	2	6.80	0.23	0.55	1.72	
	From Opp. End RHS						
		2	7.50	0.23	0.55	1.90	
	5th Phase						
	5th main LHS	2	8.40	0.23	0.75	2.90	
		2	17.30	0.23	0.55	4.38	
		2	5.50	0.23	0.45	1.14	
	Naidu Layout Boyakonda Gangamma Temple Lead off culvert						
		2	10.10	0.23	0.55	2.56	
	Opp. DS Max Streak Appt						
		2	6.80	0.23	0.55	1.72	
					Present Qty	1588.93	Cum

C2F2

16/3

16/03/2022
AE-02

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bengaluru

Contractor

SILICON CONSULTING ENGINEERS
K.R
Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 19-03-2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
10	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.						
	For Kerb						
	Nagenahalli Layout						
	Main Rd						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	0.20	0.10	0.60	
	Ch: 30.00m to 60.00m	1	30.00	0.20	0.10	0.60	
	Ch: 60.00m to 90.00m	1	30.00	0.20	0.10	0.60	
	Ch: 90.00m to 105.00m	1	15.00	0.20	0.10	0.30	
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	0.20	0.10	0.60	
	Ch: 30.00m to 60.00m	1	30.00	0.20	0.10	0.60	
	Ch: 60.00m to 90.00m	1	30.00	0.20	0.10	0.60	
	Ch: 90.00m to 120.00m	1	30.00	0.20	0.10	0.60	
	Ch: 120.00m to 125.60m	1	5.60	0.20	0.10	0.11	
	Ch: 125.60m to 129.80m	1	4.20	0.20	0.10	0.08	
	Culvert Gap						
	Ch: 129.80m to 159.80m	1	30.00	0.20	0.10	0.60	
	Ch: 159.80m to 189.80m	1	30.00	0.20	0.10	0.60	
	Ch: 189.80m to 219.80m	1	30.00	0.20	0.10	0.60	
	Ch: 219.80m to 229.90m	1	10.10	0.20	0.10	0.20	
	Main Rd @dead end after 3rd cross						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	0.20	0.10	0.60	
	Ch: 30.00m to 60.00m	1	30.00	0.20	0.10	0.60	
	Ch: 60.00m to 75.70m	1	15.70	0.20	0.10	0.31	
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	0.20	0.10	0.60	
	Ch: 30.00m to 60.00m	1	30.00	0.20	0.10	0.60	
	Ch: 60.00m to 74.90m	1	14.90	0.20	0.10	0.30	

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer 19/03/2022

Asst. Executive Engineer
Yelahanka (BBMP Ynk. Zn)
Yelahanka, Bangalore
Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch: 129.60m to 155.10m	1	25.50	0.20	0.10	0.51	
	Road Gap						
	Ch: 155.10m to 156.30m	1	1.20	0.20	0.10	0.02	
	House gap						
	Ch: 156.30m to 168.90m	1	12.60	0.20	0.10	0.25	
	Road Gap						
	Ch: 168.90m to 182.20m	1	13.30	0.20	0.10	0.27	
	For Shoulder hard path						
	Naidu Layout						
	7th Cross						
	LHS From Main Road						
	Ch: 0.00m to 30.00m	1	30.00	0.35	0.10	1.05	
	Ch: 30.00m to 36.20m	1	6.20	0.40	0.10	0.25	
	Road Gap						
	Ch: 36.20m to 62.40m	1	26.20	0.30	0.10	0.79	
	Road Gap						
	Ch: 62.40m to 92.40m	1	30.00	0.40	0.10	1.20	
	Ch: 92.40m to 122.40m	1	30.00	0.35	0.10	1.05	
	Ch: 122.40m to 142.80m	1	20.40	0.40	0.10	0.82	
	House gap						
	Ch: 142.80m to 172.80m	1	30.00	0.30	0.10	0.90	
	Ch: 172.80m to 202.80m	1	30.00	0.30	0.10	0.90	
	Ch: 202.80m to 226.70m	1	23.90	0.40	0.10	0.96	
	Main Road RHS From dead End						
	Ch: 0.00m to 30.00m	1	30.00	0.35	0.10	1.05	
	Ch: 30.00m to 46.10m	1	16.10	0.30	0.10	0.48	
	House Gap						
	Ch: 46.10m to 76.10m	1	30.00	0.40	0.10	1.20	
	Ch: 76.10m to 106.10m	1	30.00	0.30	0.10	0.90	
	Ch: 106.10m to 136.10m	1	30.00	0.30	0.10	0.90	
	House Gap						
	Ch: 136.10m to 166.10m	1	30.00	0.40	0.10	1.20	
	Ch: 166.10m to 196.10m	1	30.00	0.30	0.10	0.90	
	Ch: 196.10m to 226.10m	1	30.00	0.35	0.10	1.05	
	Ch: 226.10m to 256.10m	1	30.00	0.35	0.10	1.05	
	Ch: 256.10m to 286.10m	1	30.00	0.40	0.10	1.20	
	Ch: 286.10m to 290.80m	1	4.70	0.40	0.10	0.19	
	Deduction of Trees	-80	1.00	0.20	0.10	-1.60	
					Present Qty	**145.68**	**Cum**

C&E

19/3

Contractor

SILICON CONSULTING ENGINEERS

Consultant

Asst. Engineer 19/03/2022

Asst. Executive Engineer
Yeldurti Sub Division
(SSRP Yr. 20)

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 28-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
13	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.						
	For Trees surround						
	Naidu layout						
	Main Road						
	36Nos *2	72	0.90		0.20	12.96	
	36Nos *2	72	0.65		0.20	9.36	
	Balaji layout						
	Main Road						
	21Nos *2	42	0.80		0.20	6.72	
	21Nos *2	42	0.60		0.20	5.04	
	For Shoulder Drain						
	Naidu layout						
	Main Road						
	22Nos *2	44	1.10		0.20	9.68	
	Balaji layout						
	Main Road						
	8Nos *2	16	1.30		0.20	4.16	
					Present Qty	**47.92**	**Sqm**

28/03/2022
AE-02

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP N. Zn)
Yelahanka, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 25-02-2022, 02-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
15	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.						
	Asphalt Road						
	Surya Vamshi Layout						
	KPM Green Volley						
	Ch: 0.00m to 30.00m	1	30.00	$\frac{5.50 + 5.70}{2}$	0.30	50.40	
	Ch: 30.00m to 60.00m	1	30.00	$\frac{5.70 + 5.80}{2}$	0.30	51.75	
	Ch: 60.00m to 69.50m	1	9.50	$\frac{5.80 + 5.60}{2}$	0.30	16.25	
	Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	$\frac{6.00 + 5.80}{2}$	0.30	53.10	
	Ch: 30.00m to 33.00m	1	3.00	$\frac{5.80 + 5.80}{2}$	0.30	5.22	
	Green Springs						
	Ch: 0.00m to 30.00m	1	30.00	$\frac{6.30 + 5.90}{2}$	0.30	54.90	
	Ch: 30.00m to 40.00m	1	10.00	$\frac{5.90 + 6.00}{2}$	0.30	17.85	
	4th Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	$\frac{4.70 + 6.00}{2}$	0.30	48.15	
	Ch: 30.00m to 50.00m	1	20.00	$\frac{6.00 + 5.80}{2}$	0.30	35.40	
	Opposite DS Max-Streak Appartment Rd						
	Ch: 0.00m to 30.00m	1	30.00	$\frac{5.90 + 5.70}{2}$	0.30	52.20	

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yelk. Zn)
Yelahanka, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
K-R
Consultant

Asst. Engineer 2/03/2022

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 26-02-2022, 04-03-2022,

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
16	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.						
	Asphalt Road						
	Surya Vamshi Layout						
	KPM Green Volley						
	Ch: 0.00m to 30.00m	1	30.00	(5.50 + 5.70)/2		168.00	
	Ch: 30.00m to 60.00m	1	30.00	(5.70 + 5.80)/2		172.50	
	Ch: 60.00m to 69.50m	1	9.50	(5.80 + 5.60)/2		54.15	
	Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 5.80)/2		177.00	
	Ch: 30.00m to 33.00m	1	3.00	(5.80 + 5.80)/2		17.40	
	Green Springs						
	Ch: 0.00m to 30.00m	1	30.00	(6.30 + 5.90)/2		183.00	
	Ch: 30.00m to 40.00m	1	10.00	(5.90 + 6.00)/2		59.50	
	4th Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(4.70 + 6.00)/2		160.50	
	Ch: 30.00m to 50.00m	1	20.00	(6.00 + 5.80)/2		118.00	
	Opposite DS Max-Streak Appartment Rd						
	Ch: 0.00m to 30.00m	1	30.00	(5.90 + 5.70)/2		174.00	
	Ch: 30.00m to 60.00m	1	30.00	(5.70 + 5.50)/2		168.00	
	Ch: 60.00m to 90.00m	1	30.00	(5.50 + 5.40)/2		163.50	

CRFC

4/3

Contractor

JN CONSULTING ENGINEERS K.R. Consultant

4/03/2022 Assistant Engineer

Asst. Executive Engineer Yelahanka Sub Division

Assistant Exec. Engineer

Item No	Discription of Item	No	Length	Breadth			Depth	Qty	Unit
	6th Main 2nd Cross Rd								
	Ch: 0.00m to 20.90m	1	20.90	5.20	+	5.20		108.68	
				2					
	6th Main 1st Cross Rd								
	Ch: 0.00m to 20.00m	1	20.00	5.30	+	4.30		96.00	
				2					
	Deduction of Man Hole	-35	1.20	1.10				-46.20	
							Present Qty	**13604.75**	**Sqm**

4/3/22

4/03/2022
AE-22

Asst. Executive Engineer
Yelahanka Sub Division
(SBM)
Yelahanka, Bangalore

Contractor

Consultant

Assistant Engineer

Assistant Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 02-03-2022, 07-03-2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density,						
	Asphalt Road						
	Surya Vamshi Layout						
	KPM Green Volley						
	Ch: 0.00m to 30.00m	1	30.00	(5.50 + 5.70)/2	0.15	25.20	
	Ch: 30.00m to 60.00m	1	30.00	(5.70 + 5.80)/2	0.15	25.88	
	Ch: 60.00m to 69.50m	1	9.50	(5.80 + 5.60)/2	0.15	8.12	
	Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 5.80)/2	0.15	26.55	
	Ch: 30.00m to 33.00m	1	3.00	(5.80 + 5.80)/2	0.15	2.61	
	Green Springs						
	Ch: 0.00m to 30.00m	1	30.00	(6.30 + 5.90)/2	0.15	27.45	
	Ch: 30.00m to 40.00m	1	10.00	(5.90 + 6.00)/2	0.15	8.93	
	4th Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(4.70 + 6.00)/2	0.15	24.08	
	Ch: 30.00m to 50.00m	1	20.00	(6.00 + 5.80)/2	0.15	17.70	
	Opposite DS Max-Streak Appartment Rd						
	Ch: 0.00m to 30.00m	1	30.00	(5.90 + 5.70)/2	0.15	26.10	

Contractor

Consultant

Asst. Engineer 07/03/2022

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP) Asst. Exec. Engineer
Yelahanka, Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	7th Main Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 6.40)/2	0.15	27.90	
	Ch: 30.00m to 43.10m	1	13.10	(6.40 + 6.50)/2	0.15	12.67	
	6th Main						
	Ch: 0.00m to 30.00m C&FC	1	30.00	(6.30 + 6.20)/2	0.15	28.13	
	Ch: 30.00m to 42.20m	1	12.20	(6.20 + 6.00)/2	0.15	11.16	
	Deduction of Ramp	-10	1.50	1.00	0.15	-2.25	
	Deduction of Man Hole	-25	1.20	1.10	0.15	-4.95	
					Present Qty	**1652.20**	**Cum**

7/3

7/03/2022
AE-02

Asst. Executive Engineer
Yelahanka Sub. Division
(SBCYek. Zn.)
Yelahanka, Bangalore

Contractor

Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 05-03-2022, 14-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
19	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.						
	Asphalt Road						
	Surya Vamshi Layout						
	KPM Green Volley						
	Ch: 0.00m to 30.00m	1	30.00	(5.50 + 5.70)/2	0.20	33.60	
	Ch: 30.00m to 60.00m	1	30.00	(5.70 + 5.80)/2	0.20	34.50	
	Ch: 60.00m to 69.50m	1	9.50	(5.80 + 5.60)/2	0.20	10.83	
	Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 5.80)/2	0.20	35.40	
	Ch: 30.00m to 33.00m CRTz	1	3.00	(5.80 + 5.80)/2	0.20	3.48	
	Green Springs						
	Ch: 0.00m to 30.00m	1	30.00	(6.30 + 5.90)/2	0.20	36.60	
	Ch: 30.00m to 40.00m	1	10.00	(5.90 + 6.00)/2	0.20	11.90	
	4th Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(4.70 + 6.00)/2	0.20	32.10	
	Ch: 30.00m to 50.00m	1	20.00	(6.00 + 5.80)/2	0.20	23.60	
	Opposite DS Max-Streak Appartment Rd						

Contractor

SILICON CONSULTING ENGINEERS KR Consultant

Asst. Engineer 14/03/2022

Asst. Executive Engineer Yelahanka Sub Division (BBMP) Yelahanka, Bangalore

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch: 30.00m to 53.30m	1	23.30	(6.20 + 6.40)/2	0.20	29.36	
	7th Main Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 6.40)/2	0.20	37.20	
	Ch: 30.00m to 43.10m	1	13.10	(6.40 + 6.50)/2	0.20	16.90	
	6th Main						
	Ch: 0.00m to 30.00m	1	30.00	(6.30 + 6.20)/2	0.20	37.50	
	Ch: 30.00m to 42.20m	1	12.20	(6.20 + 6.00)/2	0.20	14.88	
	Deduction of Ramp	-10	1.50	1.00	0.20	-3.00	
	Deduction of Man Hole	-25	1.20	1.10	0.20	-6.60	
					Present Qty	**2202.93**	**Cum**

14/03/2022
AE-02

Asst. Exec. Engineer
Yelahanka Sub Division
(BNP Zone)
Yelahanka, Bangalore

Contractor

SILICON CONSULTING ENGINEERS

Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 14-03-2022, 21-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
20	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision.						
	Asphalt Road						
	Surya Vamshi Layout						
	KPM Green Volley						
	Ch: 0.00m to 30.00m	1	30.00	(5.50 + 5.70)/2		168.00	
	Ch: 30.00m to 60.00m	1	30.00	(5.70 + 5.80)/2		172.50	
	Ch: 60.00m to 69.50m	1	9.50	(5.80 + 5.60)/2		54.15	
	Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 5.80)/2		177.00	
	Ch: 30.00m to 33.00m	1	3.00	(5.80 + 5.80)/2		17.40	
	Green Springs						
	Ch: 0.00m to 30.00m	1	30.00	(6.30 + 5.90)/2		183.00	
	Ch: 30.00m to 40.00m	1	10.00	(5.90 + 6.00)/2		59.50	
	4th Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(4.70 + 6.00)/2		160.50	
	Ch: 30.00m to 50.00m	1	20.00	(6.00 + 5.80)/2		118.00	
	Opposite DS Max-Streak Appartment Rd						
	Ch: 0.00m to 30.00m	1	30.00	(5.90 + 5.70)/2		174.00	

Contractor

SILICON CONSULTING ENGINEERS K.R. Consultant

21/03/2022
Asst. Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP West Zone)
Yelahanka Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	7th Main Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 6.40) / 2		186.00	
	Ch: 30.00m to 43.10m	1	13.10	(6.40 + 6.50) / 2		84.50	
	6th Main						
	Ch: 0.00m to 30.00m	1	30.00	(6.30 + 6.20) / 2		187.50	
	Ch: 30.00m to 42.20m	1	12.20	(6.20 + 6.00) / 2		74.42	
	Deduction of Ramp	-10	1.50	1.00		-15.00	
	Deduction of Man Hole	-25	1.20	1.10		-33.00	
					Present Qty	**11014.64**	**Sqm**

24/03/2022
AE-02

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 15-03-2022, 23-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
21	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen						
	Asphalt Road						
	Surya Vamshi Layout						
	KPM Green Volley						
	Ch: 0.00m to 30.00m	1	30.00	(5.50 + 5.70)/2	0.05	8.40	
	Ch: 30.00m to 60.00m	1	30.00	(5.70 + 5.80)/2	0.05	8.63	
	Ch: 60.00m to 69.50m	1	9.50	(5.80 + 5.60)/2	0.05	2.71	
	Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 5.80)/2	0.05	8.85	
	Ch: 30.00m to 33.00m	1	3.00	(5.80 + 5.80)/2	0.05	0.87	
	Green Springs						
	Ch: 0.00m to 30.00m	1	30.00	(6.30 + 5.90)/2	0.05	9.15	
	Ch: 30.00m to 40.00m	1	10.00	(5.90 + 6.00)/2	0.05	2.98	
	4th Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(4.70 + 6.00)/2	0.05	8.03	
	Ch: 30.00m to 50.00m	1	20.00	(6.00 + 5.80)/2	0.05	5.90	

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Exec. Enginder 23/03/2022

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch: 30.00m to 53.30m	1	23.30	(6.20 + 6.40)/2	0.05	7.34	
	7th Main Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 6.40)/2	0.05	9.30	
	Ch: 30.00m to 43.10m	1	13.10	(6.40 + 6.50)/2	0.05	4.22	
	6th Main						
	Ch: 0.00m to 30.00m	1	30.00	(6.30 + 6.20)/2	0.05	9.38	
	Ch: 30.00m to 42.20m	1	12.20	(6.20 + 6.00)/2	0.05	3.72	
	Deduction of Ramp	-10	1.50	1.00	0.05	-0.75	
	Deduction of Man Hole	-25	1.20	1.10	0.05	-1.65	
					Present Qty	**550.73**	**Cum**

25/03/2022
AEE 2

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Nk. Zn)
Yelahanka, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Exec. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 15-03-2022, 24-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
22	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.						
	Asphalt Road						
	Surya Vamshi Layout						
	KPM Green Volley						
	Ch: 0.00m to 30.00m	1	30.00	(5.50 + 5.70)/2		168.00	
	Ch: 30.00m to 60.00m	1	30.00	(5.70 + 5.80)/2		172.50	
	Ch: 60.00m to 69.50m	1	9.50	(5.80 + 5.60)/2		54.15	
	Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 5.80)/2		177.00	
	Ch: 30.00m to 33.00m	1	3.00	(5.80 + 5.80)/2		17.40	
	Green Springs						
	Ch: 0.00m to 30.00m CRPC	1	30.00	(6.30 + 5.90)/2		183.00	
	Ch: 30.00m to 40.00m	1	10.00	(5.90 + 6.00)/2		59.50	
	4th Cross Rd						
	Ch: 0.00m to 30.00m	1	30.00	(4.70 + 6.00)/2		160.50	
	Ch: 30.00m to 50.00m	1	20.00	(6.00 + 5.80)/2		118.00	
	Opposite DS Max-Streak Appartment Rd						
	Ch: 0.00m to 30.00m	1	30.00	(5.90 + 5.70)/2		174.00	

24/3

Contractor

SILICON CONSULTING ENGINEERS

Consultant

Asst. Engineer

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	7th Main Rd						
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 6.40) / 2		186.00	
	Ch: 30.00m to 43.10m	1	13.10	(6.40 + 6.50) / 2		84.50	
	6th Main						
	Ch: 0.00m to 30.00m	1	30.00	(6.30 + 6.20) / 2		187.50	
	Ch: 30.00m to 42.20m	1	12.20	(6.20 + 6.00) / 2		74.42	
	Deduction of Ramp	-10	1.50	1.00		-15.00	
	Deduction of Man Hole	-25	1.20	1.10		-33.00	
					Present Qty	**11014.64**	**Sqm**

24/03/2022
AEE-02

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

MEASUREMENT SHEETS

"FIRST AND PART BILL"

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.								
	Vide Premeasurement page no.					618.92			
					Present Qty	5523.74	Cum	217.43	1201027.66
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15								
	Vide Premeasurement page no.					938.64			
					Present Qty	938.64	Cum	5675.99	5327694.23
3	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjolning members wherever necessary								
	Vide Premeasurement page no.					97.12			
					Present Qty	97.12	Tn	80948.07	7861556.59
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom								
	Vide Premeasurement page no.					1588.93			
					Present Qty	1588.93	Cum	7497.22	11912520.29
10	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well								
	Vide Premeasurement page no.					145.68			
					Present Qty	145.68	Cum	6089.85	887163.26
13	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM								
	Vide Premeasurement page no.					47.92			
					Present Qty	47.92	Sqm	989.23	47403.90
15	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment								
	Vide Premeasurement page no.					4081.42			
					Present Qty	4081.42	Cum	64.58	263578.33
16	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.								
	Vide Premeasurement page no.					13604.75			
					Present Qty	13604.75	Sqm	6.42	87342.46

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on								
	Vide Premeasurement page no.					1652.20			
					Present Qty	1652.20	Cum	2014.87	3328959.47
19	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers								
	Vide Premeasurement page no.					2202.93			
					Present Qty	2202.93	Cum	2021.29	4452755.43
20	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of								
	Vide Premeasurement page no.					11014.64			
					Present Qty	11014.64	Sqm	34.26	377361.49
21	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth								
	Vide Premeasurement page no.					550.73			
					Present Qty	550.73	Cum	7365.73	4056542.39
22	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as								
	Vide Premeasurement page no.					11014.64			
					Present Qty	11014.64	Sqm	12.85	141538.10
24	KSRRB M600-1 Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-								
	Vide Premeasurement page no.					393.47			
					Present Qty	393.47	Cum	4101.90	1613958.70

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Assistant Engineer

Asst. Executive Engineer.

Asst. Executive Engineer
Yelahanka Sub Division
(BCMP Zone)
Yelahanka, Bangalore

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 28-03-2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
5	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.						
	RCC Drain Covering Slab						
	Nagenahalli Layout						
	Main Rd						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00	
	Ch: 60.00m to 90.00m	1	30.00	0.90		27.00	
	Ch: 90.00m to 105.00m	1	15.00	0.90		13.50	
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00	
	Ch: 60.00m to 90.00m	1	30.00	0.90		27.00	
	Ch: 90.00m to 120.00m	1	30.00	0.90		27.00	
	Ch: 120.00m to 125.60m	1	5.60	0.90		5.04	
	Ch: 125.60m to 129.80m	1	4.20	0.90		3.78	
	Culvert Gap						
	Ch: 129.80m to 159.80m	1	30.00	0.90		27.00	
	Ch: 159.80m to 189.80m	1	30.00	0.90		27.00	
	Ch: 189.80m to 219.80m	1	30.00	0.90		27.00	
	Ch: 219.80m to 229.90m	1	10.10	0.90		9.09	
	Main Rd @dead end after 3rd cross						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00	
	Ch: 60.00m to 75.70m	1	15.70	0.90		14.13	
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00	
	Ch: 60.00m to 74.90m	1	14.90	0.90		13.41	
	Kenchenahalli, Synik Vihar Layout						
	9th main from 6th cross						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00	
	Ch: 60.00m to 67.40m	1	7.40	0.90		6.66	

28/3/2022

Contractor

SILICON CONSULTING ENGINEERS

Consultant

28/03/2022

Asst. Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP)

Asst. Exec. Engineer
Yelahanka, Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit		
	RHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00			
	Ch: 60.00m to 66.80m	1	6.80	0.90		6.12			
	6th Main 6th Cross Rd								
	RHS N-S								
	Ch: 0.00m to 24.90m	1	24.90	0.90		22.41			
	Culvert Gap								
	Ch: 24.90m to 51.10m	1	26.20	0.90		23.58			
	Culvert Gap								
	Ch: 51.10m to 78.50m	1	27.40	0.90		24.66			
	Culvert Gap								
	Ch: 78.50m to 108.50m	1	30.00	0.90		27.00			
	Ch: 108.50m to 138.50m	1	30.00	0.90		27.00			
	Ch: 138.50m to 157.90m	1	19.40	0.90		17.46			
	6th Main 6th Cross Dead End								
	LHS W-E								
	Ch: 0.00m to 12.10m	1	12.10	0.90		10.89			
	6th main 4th cross Left side								
	RHS								
	Ch: 0.00m to 20.80m	1	20.80	0.90		18.72			
	LHS								
	Ch: 0.00m to 20.80m	1	20.80	0.90		18.72			
	6th main 3rd cross Left side								
	RHS								
	Ch: 0.00m to 21.00m	1	21.00	0.90		18.90			
	LHS								
	Ch: 0.00m to 20.90m	1	20.90	0.90		18.81			
	6th main 1st cross Left side								
	RHS								
	Ch: 0.00m to 10.60m	1	10.60	0.90		9.54			
	LHS								
	Ch: 0.00m to 20.00m	1	20.00	0.90		18.00			
	6th main 3rd cross Right side								
	RHS N-S								
	Ch: 0.00m to 23.70m	1	23.70	0.90		21.33			
	LHS S-N								
	Ch: 0.00m to 23.70m	1	23.70	0.90		21.33			
	6th main 5th cross Right side								
	RHS N-S								
	Ch: 0.00m to 24.30m	1	24.30	0.90		21.87			
	LHS S-N								
	Ch: 0.00m to 23.60m	1	23.60	0.90		21.24			
	6th main 5th cross Left side								
	RHS N-S								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 46.20m	1	16.20	0.90		14.58			

Contractor

SILICON CONSULTING ENGINEERS
Consultant

28/03/2022
Asst. Engineer

Asst. Exec. Engineer
Yelahanka, Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit		
	LHS S-N								
	Ch: 0.00m to 27.10m	1	27.10	0.90		24.39			
	House gap								
	Ch: 27.10m to 36.30m	1	9.20	0.90		8.28			
	10th main LHS W-E from Main Rd								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 32.20m	1	2.20	0.90		1.98			
	House gap								
	Ch: 32.20m to 45.10m	1	12.90	0.90		11.61			
	House gap								
	Ch: 45.10m to 75.10m	1	30.00	0.90		27.00			
	Ch: 75.10m to 91.10m	1	16.00	0.90		14.40			
	House gap								
	Ch: 91.10m to 100.30m	1	9.20	0.90		8.28			
	House gap								
	Ch: 100.30m to 128.10m	1	27.80	0.90		25.02			
	House Gap								
	Ch: 128.10m to 158.10m	1	30.00	0.90		27.00			
	Ch: 158.10m to 186.80m	1	28.70	0.90		25.83			
	House Gap								
	Ch: 186.80m to 204.60m	1	17.80	0.90		16.02			
	Culvert Gap								
	Ch: 204.60m to 226.50m	1	21.90	0.90		19.71			
	10th main RHS E-W								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 39.90m	1	9.90	0.90		8.91			
	House Gap								
	Ch: 39.90m to 60.50m	1	20.60	0.90		18.54			
	Ch: 60.50m to 90.50m	1	30.00	0.90		27.00			
	Ch: 90.50m to 113.90m	1	23.40	0.90		21.06			
	Gap								
	Ch: 113.90m to 140.90m	1	27.00	0.90		24.30			
	House gap								
	Ch: 140.90m to 170.90m	1	30.00	0.90		27.00			
	Ch: 170.90m to 200.90m	1	30.00	0.90		27.00			
	Ch: 200.90m to 230.90m	1	30.00	0.90		27.00			
	Ch: 230.90m to 237.50m	1	6.60	0.90		5.94			
	9th main RHS W-E from Main Rd								
	Ch: 0.00m to 16.70m	1	16.70	0.90		15.03			
	Naidu layout								
	LIC Oficer house Rd								
	LHS E-W								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00			
	Ch: 60.00m to 73.40m	1	13.40	0.90		12.06			
	RHS W-E								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			

Contractor

SILICON CONSULTING ENGINEERS

Consultant

Asst. Engineer

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit		
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00			
	Ch: 60.00m to 69.30m	1	9.30	0.90		8.37			
	8th Main								
	RHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 43.00m	1	13.00	0.90		11.70			
	LHS								
	Ch: 0.00m to 20.90m	1	20.90	0.90		18.81			
	House gap								
	Ch: 20.90m to 30.10m	1	9.20	0.90		8.28			
	7th Main								
	RHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 42.90m	1	12.90	0.90		11.61			
	LHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 42.80m	1	12.80	0.90		11.52			
	6th Main								
	RHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 42.60m	1	12.60	0.90		11.34			
	LHS								
	Ch: 0.00m to 23.70m	1	23.70	0.90		21.33			
	House gap								
	Ch: 23.70m to 38.70m	1	15.00	0.90		13.50			
	5th Main								
	LHS								
	Ch: 0.00m to 9.50m	1	9.50	0.90		8.55			
	Ch: 9.50m to 39.50m	1	30.00	0.90		27.00			
	Ch: 39.50m to 54.70m	1	15.20	0.90		13.68			
	RHS From end								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 38.00m	1	8.00	0.90		7.20			
	Ch: 38.00m to 50.00m	1	12.00	0.90		10.80			
	Main Road LHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 36.20m	1	6.20	0.90		5.58			
	Road Gap								
	Ch: 36.20m to 62.40m	1	26.20	0.90		23.58			
	Road Gap								
	Ch: 62.40m to 92.40m	1	30.00	0.90		27.00			
	Ch: 92.40m to 122.40m	1	30.00	0.90		27.00			
	Ch: 122.40m to 142.80m	1	20.40	0.90		18.36			
	House gap								
	Ch: 142.80m to 172.80m	1	30.00	0.90		27.00			
	Ch: 172.80m to 202.80m	1	30.00	0.90		27.00			
	Ch: 202.80m to 226.70m	1	23.90	0.90		21.51			

Contractor

SILICON CONSULTING ENGINEERS
K R
Consultant

Asst. Engineer 28/03/2022

Asst. Exec. Engineer

Asst. Exec. Engineer
Yelahanka
(BBMP Ynk. Zo)
Yelahanka, Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch: 5.70m to 20.40m	1	14.70	1.20		17.64	
	Gap						
	Ch: 20.40m to 50.40m	1	30.00	0.90		27.00	
	Ch: 50.40m to 58.40m	1	8.00	0.90		7.20	
	7th Main						
	LHS E-W						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00	
	Ch: 60.00m to 81.70m	1	21.70	0.90		19.53	
	RHS W-E						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00	
	Ch: 60.00m to 85.70m	1	25.70	0.90		23.13	
	Surya Vamshi Layout						
	Left Side 3rd cross						
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 47.70m	1	17.70	0.90		15.93	
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 34.00m	1	4.00	0.90		3.60	
	Deduct old slab	-18	0.60	0.90		-9.72	
	Left Side 4th cross						
	RHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 43.20m	1	13.20	0.90		11.88	
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 47.90m	1	17.90	0.90		16.11	
	Right Side 4th cross						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00	
	Ch: 60.00m to 61.70m	1	1.70	0.90		1.53	
	Shri Ram Sahana Appartment Road						
	Beside KPM Green Valley						
	LHS						
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00	
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00	
	Ch: 60.00m to 69.50m	1	9.50	0.90		8.55	
	RHS						
	Ch: 0.00m to 6.20m	1	6.20	0.90		5.58	
	House Gap						
	Ch: 6.20m to 36.20m	1	30.00	0.90		27.00	
	Ch: 36.20m to 64.30m	1	28.10	0.90		25.29	
	Cross Road						
	LHS						

Contractor

SILICON CONSULTING ENGINEERS

Consultant

Asst. Engineer

28/03/2022

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit		
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 34.10m	1	4.10	0.90		3.69			
	RHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 32.70m	1	2.70	0.90		2.43			
	Green Springs Naturals Beside								
	LHS								
	House Gap								
	Ch: 0.00m to 20.00m	1	20.00	0.90		18.00			
	RHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 40.00m	1	10.00	0.90		9.00			
	Opp. DS Max Streak Appt								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00			
	Ch: 60.00m to 90.00m	1	30.00	0.90		27.00			
	Ch: 90.00m to 120.00m	1	30.00	0.90		27.00			
	Ch: 120.00m to 131.60m	1	11.60	0.90		10.44			
	RHS								
	Ch: 0.00m to 30.00m	1	30.00	0.90		27.00			
	Ch: 30.00m to 60.00m	1	30.00	0.90		27.00			
	Ch: 60.00m to 90.00m	1	30.00	0.90		27.00			
	Ch: 90.00m to 120.00m	1	30.00	0.90		27.00			
	Ch: 120.00m to 137.80m	1	17.80	0.90		16.02			
	Lead off Opp Appt								
	Ch: 0.00m to 25.80m	1	25.80	0.90		23.22			
					Present Qty	**4204.05**	**Sqm**		
					Qty to be Released	**3516.80**	**Sqm**	**1941.22**	**6826872.79**
					Reserved Qty	**687.26**	**Sqm**		

28/3/2022

28/03/2022 AE

Asst. Executive Engineer
Yelahanka Sub Division

Contractor

SILICON CONSULTING ENGINEERS

Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 28-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
9	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge								
	Culvert								
	Nagenahalli Layout								
	1st cross RS	1	5.60	1.20		6.72			
	2nd cross RS	1	5.60	1.20		6.72			
	3rd cross RS	1	5.60	1.20		6.72			
	2nd cross LS	1	6.00	1.20		7.20			
	3rd cross LS	1	6.30	1.20		7.56			
	Balaji Layout								
	1st cross	1	6.70	1.20		8.04			
	2nd cross	1	6.80	1.20		8.16			
	3rd cross	1	7.40	1.20		8.88			
	4th cross	1	6.80	1.20		8.16			
	5th cross	1	6.20	1.20		7.44			
	6th cross	1	7.40	1.20		8.88			
	7th cross	1	6.80	1.20		8.16			
	8th cross	1	6.70	1.20		8.04			
	Synik Vihar Layout								
	6th main 6th cross RHS								
		1	6.70	1.20		8.04			
		1	6.20	1.20		7.44			
	6th main 5th cross LS								
		1	5.50	1.20		6.60			
	6th main 3rd cross LS								
		1	5.50	0.90		4.95			
	Naidu Layout								
	5th main	1	7.80	1.20		9.36			
	6th main	1	6.30	1.20		7.56			
	7th main	1	6.20	1.20		7.44			
	8th main	1	6.80	1.20		8.16			
	From Opp. End RHS								
		1	6.30	1.50		9.45			
	5th Phase								
	5th main LHS	1	8.40	1.50		12.60			
		1	17.30	1.50		25.95			
		1	5.50	1.20		6.60			
	Naidu Layout Boyakonda Gangamma Temple Lead off								
		1	10.10	1.20		12.12			
	Opp. DS Max Streak Appt								
		1	6.80	1.20		8.16			
					Present Qty	**235.11**	**Sqm**	**4530.86**	**1065250.49**

Contractor

SILICON CONSULTING ENGINEERS K.R Consultant

Asst. Engineer 28/03/2022

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 28-03-2022

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
11	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete.								
	Kerb								
	Nagenahalli Layout								
	Main Rd								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 60.00m	1	30.00			30.00			
	Ch: 60.00m to 90.00m	1	30.00			30.00			
	Ch: 90.00m to 105.00m	1	15.00			15.00			
	RHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 60.00m	1	30.00			30.00			
	Ch: 60.00m to 90.00m	1	30.00			30.00			
	Ch: 90.00m to 120.00m	1	30.00			30.00			
	Ch: 120.00m to 125.60m	1	5.60			5.60			
	Ch: 125.60m to 129.80m	1	4.20			4.20			
	Culvert Gap								
	Ch: 129.80m to 159.80m	1	30.00			30.00			
	Ch: 159.80m to 189.80m	1	30.00			30.00			
	Ch: 189.80m to 219.80m	1	30.00			30.00			
	Ch: 219.80m to 229.90m	1	10.10			10.10			
	Main Rd @dead end after 3rd cross								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 60.00m	1	30.00			30.00			
	Ch: 60.00m to 75.70m	1	15.70			15.70			
	RHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 60.00m	1	30.00			30.00			
	Ch: 60.00m to 74.90m	1	14.90			14.90			
	Kenchenahalli, Synik Vihar Layout								
	9th main from 6th cross								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 60.00m	1	30.00			30.00			
	Ch: 60.00m to 67.40m	1	7.40			7.40			
	RHS								

28/3/2022

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer 28/03/2022

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP) Asst. Exec. Engineer
Yelahanka, Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 60.00m	1	30.00			30.00			
	Ch: 60.00m to 66.80m	1	6.80			6.80			
	6th Main 6th Cross Rd								
	RHS N-S								
	Ch: 0.00m to 24.90m	1	24.90			24.90			
	Culvert Gap								
	Ch: 24.90m to 51.10m	1	26.20			26.20			
	Culvert Gap								
	Ch: 51.10m to 78.50m	1	27.40			27.40			
	Culvert Gap								
	Ch: 78.50m to 108.50m	1	30.00			30.00			
	Ch: 108.50m to 138.50m	1	30.00			30.00			
	Ch: 138.50m to 157.90m	1	19.40			19.40			
	LHS S-N								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 37.00m	1	7.00			7.00			
	House gap + Culvert Gap								
	Ch: 37.00m to 61.90m	1	24.90			24.90			
	Culvert Gap								
	Ch: 61.90m to 88.60m	1	26.70			26.70			
	Culvert Gap								
	Ch: 88.60m to 115.30m	1	26.70			26.70			
	Culvert Gap								
	Ch: 115.30m to 140.70m	1	25.40			25.40			
	6th Main 6th Cross Dead End								
	LHS W-E								
	Ch: 0.00m to 12.10m	1	12.10			12.10			
	6th main 4th cross Left side								
	RHS								
	Ch: 0.00m to 20.80m	1	20.80			20.80			
	LHS								
	Ch: 0.00m to 20.80m	1	20.80			20.80			
	6th main 3rd cross Left side								
	RHS								
	Ch: 0.00m to 21.00m	1	21.00			21.00			
	LHS								
	Ch: 0.00m to 20.90m	1	20.90			20.90			
	6th main 2nd cross Left side								
	RHS								
	Ch: 0.00m to 20.20m	1	20.20			20.20			
	LHS								
	Ch: 0.00m to 20.20m	1	20.20			20.20			
	6th main 1st cross Left side								
	RHS								
	Ch: 0.00m to 10.60m	1	10.60			10.60			
	LHS								
	Ch: 0.00m to 20.00m	1	20.00			20.00			
	6th main 3rd cross Right side								

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer 28/03/2022

Asst. Executive Engineer
Yelahanka
Asst. Exec. Engineer
(BBMP)
Yelahanka, Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	RHS N-S								
	Ch: 0.00m to 23.70m	1	23.70			23.70			
	LHS S-N								
	Ch: 0.00m to 23.70m	1	23.70			23.70			
	6th main 5th cross Right side								
	RHS N-S								
	Ch: 0.00m to 24.30m	1	24.30			24.30			
	LHS S-N								
	Ch: 0.00m to 23.60m	1	23.60			23.60			
	6th main 5th cross Left side								
	RHS N-S								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 46.20m	1	16.20			16.20			
	LHS S-N								
	Ch: 0.00m to 27.10m	1	27.10			27.10			
	House gap								
	Ch: 27.10m to 36.30m	1	9.20			9.20			
	10th main LHS W-E from Main Rd								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 32.20m	1	2.20			2.20			
	House gap								
	Ch: 32.20m to 45.10m	1	12.90			12.90			
	House gap								
	Ch: 45.10m to 75.10m	1	30.00			30.00			
	Ch: 75.10m to 91.10m	1	16.00			16.00			
	House gap								
	Ch: 91.10m to 100.30m	1	9.20			9.20			
	House gap								
	Ch: 100.30m to 128.10m	1	27.80			27.80			
	House Gap								
	Ch: 128.10m to 158.10m	1	30.00			30.00			
	Ch: 158.10m to 186.80m	1	28.70			28.70			
	House Gap								
	Ch: 186.80m to 204.60m	1	17.80			17.80			
	Culvert Gap								
	Ch: 204.60m to 226.50m	1	21.90			21.90			
	10th main RHS E-W								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 39.90m	1	9.90			9.90			
	House Gap								
	Ch: 39.90m to 60.50m	1	20.60			20.60			
	Ch: 60.50m to 90.50m	1	30.00			30.00			
	Ch: 90.50m to 113.90m	1	23.40			23.40			
	Gap								
	Ch: 113.90m to 140.90m	1	27.00			27.00			
	House gap								
	Ch: 140.90m to 170.90m	1	30.00			30.00			
	Ch: 170.90m to 200.90m	1	30.00			30.00			
	Ch: 200.90m to 230.90m	1	30.00			30.00			

28/3/2022

Contractor

SILICON CONSULTING ENGINEERS

Consultant

Asst. Engineer 28/03/2022

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Cell)
Yelahanka, Bangalore

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Beside KPM Green Valley								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 60.00m	1	30.00			30.00			
	Ch: 60.00m to 69.50m	1	9.50			9.50			
	RHS								
	Ch: 0.00m to 6.20m	1	6.20			6.20			
	House Gap								
	Ch: 6.20m to 36.20m	1	30.00			30.00			
	Ch: 36.20m to 64.30m	1	28.10			28.10			
	Cross Road								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 34.10m	1	4.10			4.10			
	RHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 32.70m	1	2.70			2.70			
	Green Springs Naturals Beside								
	LHS								
	House Gap								
	Ch: 0.00m to 20.00m	1	20.00			20.00			
	RHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 40.00m	1	10.00			10.00			
	Cross Road-2								
	LHS								
	House Gap								
	Ch: 0.00m to 20.00m	1	20.00			20.00			
	RHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 40.00m	1	10.00			10.00			
	Opp. DS Max Streak Appt								
	LHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 60.00m	1	30.00			30.00			
	Ch: 60.00m to 90.00m	1	30.00			30.00			
	Ch: 90.00m to 120.00m	1	30.00			30.00			
	Ch: 120.00m to 131.60m	1	11.60			11.60			
	RHS								
	Ch: 0.00m to 30.00m	1	30.00			30.00			
	Ch: 30.00m to 60.00m	1	30.00			30.00			
	Ch: 60.00m to 90.00m	1	30.00			30.00			
	Ch: 90.00m to 120.00m	1	30.00			30.00			
	Ch: 120.00m to 137.80m	1	17.80			17.80			
	Lead off Opp Appt								
	Ch: 0.00m to 25.80m	1	25.80			25.80			
	For Footpath								
	Balaji Layout RHS from Main Road								
	Ch: 0.00m to 23.70m	1	23.70			23.70			

28/3/2022

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer
Yelahanka, Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Road Gap								
	Ch: 23.70m to 36.00m	1	12.30			12.30			
	Road Gap								
	Ch: 36.00m to 66.00m	1	30.00			30.00			
	Ch: 66.00m to 67.60m	1	1.60			1.60			
	Road Gap								
	Ch: 67.60m to 93.60m	1	26.00			26.00			
	Road Gap								
	Ch: 93.60m to 105.80m	1	12.20			12.20			
	Road Gap								
	Ch: 105.80m to 129.60m	1	23.80			23.80			
	Road Gap								
	Ch: 129.60m to 155.10m	1	25.50			25.50			
	Road Gap								
	Ch: 155.10m to 156.30m	1	1.20			1.20			
	House gap								
	Ch: 156.30m to 168.90m	1	12.60			12.60			
	Road Gap								
	Ch: 168.90m to 182.20m	1	13.30			13.30			
	Deduction of Trees	-80	1.00			-80.00			
						6382.60	m		
					Present Qty	14184.00	Nos	436.80	6195571.20

28/03/2022

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Consultant

Asst. Engineer

Asst. Exec. Engineer

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Detailed Measurements

Measurement Recorded On: 28-03-2022.

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
14	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, 60mm thick using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per								
	For Footpath								
	Naidu Layout								
	7th Cross								
	LHS From Main Road								
	Ch: 0.00m to 30.00m	1	30.00	1.10		33.00			
	Ch: 30.00m to 36.20m	1	6.20	1.10		6.82			
	Road Gap								
	Ch: 36.20m to 62.40m	1	26.20	1.05		27.51			
	Road Gap								
	Ch: 62.40m to 92.40m	1	30.00	1.25		37.50			
	Ch: 92.40m to 122.40m	1	30.00	1.10		33.00			
	Ch: 122.40m to 142.80m	1	20.40	1.10		22.44			
	House gap								
	Ch: 142.80m to 172.80m	1	30.00	0.90		27.00			
	Ch: 172.80m to 202.80m	1	30.00	0.80		24.00			
	Ch: 202.80m to 226.70m	1	23.90	1.00		23.90			
	Main Road RHS From dead End								
	Ch: 0.00m to 30.00m	1	30.00	1.10		33.00			
	Ch: 30.00m to 46.10m	1	16.10	1.10		17.71			
	House Gap								
	Ch: 46.10m to 76.10m	1	30.00	1.10		33.00			
	Ch: 76.10m to 106.10m	1	30.00	1.10		33.00			
	Ch: 106.10m to 136.10m	1	30.00	1.10		33.00			
	House Gap								
	Ch: 136.10m to 166.10m	1	30.00	0.90		27.00			
	Ch: 166.10m to 196.10m	1	30.00	0.95		28.50			
	Ch: 196.10m to 226.10m	1	30.00	0.90		27.00			
	Ch: 226.10m to 256.10m	1	30.00	0.95		28.50			

Contractor

SILICON CONSULTING ENGINEERS K.R. Consultant

Asst. Engineer 28/03/2022

Asst. Executive Engineer Yelahanka Sub Division (BBMP) Yelahanka, Bangalore

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch: 256.10m to 286.10m	1	30.00	0.90		27.00			
	Ch: 286.10m to 290.80m	1	4.70	0.90		4.23			
	Balaji Layout RHS from Main Road								
	Ch: 0.00m to 23.70m	1	23.70	1.40		33.18			
	Road Gap								
	Ch: 23.70m to 36.00m	1	12.30	1.40		17.22			
	Road Gap								
	Ch: 36.00m to 66.00m	1	30.00	1.60		48.00			
	Ch: 66.00m to 67.60m	1	1.60	1.60		2.56			
	Road Gap								
	Ch: 67.60m to 93.60m	1	26.00	1.60		41.60			
	Road Gap								
	Ch: 93.60m to 105.80m	1	12.20	1.45		17.69			
	Road Gap								
	Ch: 105.80m to 129.60m	1	23.80	1.40		33.32			
	Road Gap								
	Ch: 129.60m to 155.10m	1	25.50	1.40		35.70			
	Road Gap								
	Ch: 155.10m to 156.30m	1	1.20	1.40		1.68			
	House gap								
	Ch: 156.30m to 168.90m	1	12.60	1.40		17.64			
	Road Gap								
	Ch: 168.90m to 182.20m	1	13.30	1.00		13.30			
	Deduction of Trees	-40	0.80	0.50		-16.00			
	Deduct For Trees surround Naidu layout Main Road								
	36Nos	-36	0.90	0.65		-21.06			
	Balaji layout Main Road								
	21Nos	-21	0.80	0.60		-10.08			
	Deduct For Shoulder Drain Naidu layout Main Road								
	22Nos *2	-22	1.10	0.60		-14.52			
	Balaji layout Main Road								
	8Nos *2	-8	1.30	0.60		-6.24			
					Present Qty	**721.10**	**Sqm**	**1127.34**	**812924.87**

28/3/2022

Contractor

CON CONSULTING ENGINEERS
Consultant

Asst. Engineer 28/03/2022

Asst. Executive Engineer
Yelahanka Asst. Exec. Engineer
(SBM) Ynk. Zn)
Yelahanka, Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Nagenahallii								
	Nagenahalli Layout Main Rd								
	Ch: 0.00m to 4.00m	1	4.00	(5.25 + 5.25)/2	0.04	0.84			
	Ch: 4.00m to 34.00m	1	30.00	(4.60 + 5.90)/2	0.04	6.30			
	Ch: 34.00m to 64.00m	1	30.00	(5.90 + 4.90)/2	0.04	6.48			
	Ch: 64.00m to 94.00m	1	30.00	(4.90 + 4.80)/2	0.04	5.82			
	Ch: 94.00m to 124.00m	1	30.00	(4.90 + 4.90)/2	0.04	5.88			
	Ch: 124.00m to 154.00m	1	30.00	(4.90 + 5.05)/2	0.04	5.97			
	Ch: 154.00m to 154.80m	1	0.80	(5.05 + 5.05)/2	0.04	0.16			
	Continued								
	Ch: 154.80m to 184.80m	1	30.00	(4.30 + 5.00)/2	0.04	5.58			
	Ch: 184.80m to 214.80m	1	30.00	(5.00 + 5.75)/2	0.04	6.45			
	Ch: 214.80m to 244.80m	1	30.00	(5.75 + 6.10)/2	0.04	7.11			
	Ch: 244.80m to 274.80m	1	30.00	(6.10 + 8.10)/2	0.04	8.52			
	Ch: 274.80m to 271.80m	1	7.00	(8.10 + 8.00)/2	0.04	2.25			
	Cross Rd Continued								
	Ch: 271.80m to 311.80m	1	30.00	(7.20 + 6.85)/2	0.04	8.43			
	Ch: 311.80m to 341.80m	1	30.00	(6.85 + 6.60)/2	0.04	8.07			
	Ch: 341.80m to 371.80m	1	30.00	(6.60 + 6.65)/2	0.04	7.95			
	Ch: 371.80m to 392.30m	1	20.50	(6.65 + 6.20)/2	0.04	5.27			
	Synik Vihar Layout								
	6th Main 6th Cross Rd								
	Ch: 0.00m to 22.00m	1	22.00	(5.10 + 5.00)/2	0.04	4.44			
	Ch: 22.00m to 52.00m	1	30.00	(4.50 + 5.30)/2	0.04	5.88			
	Ch: 52.00m to 82.00m	1	30.00	(5.30 + 5.75)/2	0.04	6.63			
	Ch: 82.00m to 112.00m	1	30.00	(5.75 + 5.70)/2	0.04	6.87			
	Ch: 112.00m to 142.00m	1	30.00	(5.70 + 5.80)/2	0.04	6.90			

29/3/2020

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yeh. Zn)
Yelahanka, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
Consultant

28/03/2020
Asst. Engineer

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch: 142.00m to 172.00m	1	30.00	(5.80 + 5.60)/2	0.04	6.84			
	Ch: 172.00m to 180.80m	1	8.80	(5.60 + 5.75)/2	0.04	2.00			
	6th Main								
	Ch: 0.00m to 5.60m	1	5.60	(5.10 + 5.00)/2	0.04	1.13			
	Ch: 5.60m to 35.60m	1	30.00	(4.50 + 5.30)/2	0.04	5.88			
	Ch: 35.60m to 65.60m	1	30.00	(5.30 + 5.75)/2	0.04	6.63			
	Ch: 65.60m to 95.60m	1	30.00	(5.75 + 5.70)/2	0.04	6.87			
	Ch: 95.60m to 125.60m	1	30.00	(5.70 + 5.80)/2	0.04	6.90			
	Ch: 125.60m to 155.60m	1	30.00	(5.80 + 5.60)/2	0.04	6.84			
	Ch: 155.60m to 177.43m	1	21.83	(5.60 + 5.75)/2	0.04	4.96			
	10th Main								
	Ch: 0.00m to 30.00m	1	30.00	(5.10 + 5.00)/2	0.04	6.08			
	Ch: 30.00m to 60.00m	1	30.00	(4.50 + 5.30)/2	0.04	5.88			
	Ch: 60.00m to 89.50m	1	29.50	(5.30 + 5.75)/2	0.04	6.52			
	9th Main 6th Cross Rd								
	Ch: 0.00m to 30.00m	1	30.00	(5.80 + 5.40)/2	0.04	6.72			
	Ch: 30.00m to 60.00m	1	30.00	(5.40 + 6.20)/2	0.04	6.96			
	Ch: 60.00m to 69.00m	1	9.00	(6.20 + 6.55)/2	0.04	2.30			
	Naidu Layout								
	7th Cross Rd								
	Ch: 0.00m to 7.00m	1	7.00	(16.00 + 15.00)/2	0.04	4.34			
	Ch: 7.00m to 9.50m	1	2.50	(15.00 + 6.00)/2	0.04	1.05			
	Ch: 9.50m to 39.50m	1	30.00	(6.00 + 5.65)/2	0.04	6.99			
	Ch: 39.50m to 69.50m	1	30.00	(5.65 + 5.60)/2	0.04	6.75			
	Ch: 69.50m to 99.50m	1	30.00	(5.60 + 5.70)/2	0.04	6.78			
	Ch: 99.50m to 129.50m	1	30.00	(5.70 + 5.80)/2	0.04	6.90			
	Ch: 129.50m to 159.50m	1	30.00	(5.80 + 5.50)/2	0.04	6.78			

Contractor

SILICON CONSULTING ENGINEERS Consultant

Asst. Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Tnl. Zn)
Yelahanka, Bangalore

Asst. Exec. Engineer

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	7th Main Rd								
	Ch: 0.00m to 30.00m	1	30.00	(6.00 + 6.40) / 2	0.04	7.44			
	Ch: 30.00m to 43.10m	1	13.10	(6.40 + 6.50) / 2	0.04	3.38			
	6th Main								
	Ch: 0.00m to 30.00m	1	30.00	(6.30 + 6.20) / 2	0.04	7.50			
	Ch: 30.00m to 42.20m	1	12.20	(6.20 + 6.00) / 2	0.04	2.98			
	Deduction of Ramp	-10	1.50	1.00	0.04	-0.60			
	Deduction of Man Hole	-25	1.20	1.10	0.04	-1.32			
					Present Qty	440.59	Cum	8534.82	3760318.02

CEPC

28/03/2022
AE-02

Asst. Executive Engineer
Yelahanka Division
(BBMP Govt. Zn.)
Yelahanka, Bangalore

Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Exec. Engineer